

IN THE CLAIMS:

1-11. (Cancelled)

Claim 12 has been amended as follows:

12. (Currently Amended) A magnetic resonance apparatus comprising:

a basic field magnet for generating a basic magnetic field;

at least one eddy current generator;

at least one electrically conductive structure, other than said eddy current generator, in which eddy currents caused by said eddy current generator can occur, said eddy currents, ~~if permitted to occur~~, interacting with said basic magnetic field to produce Lorentz forces; and

a force generator attached to said at least one electrically conductive structure, said force generator being designed and controlled for mechanically applying generating forces to said electrically conductive structure to counteract ~~counteracting~~ said Lorentz forces ~~for to~~ substantially ~~precluding~~ preclude movement and deformation of said electrically conductive structure due to said Lorentz forces from occurring.

Claim 13 has been amended as follows:

13. (Currently Amended) A magnetic resonance apparatus as claimed in claim ~~[[1]]~~ 12 wherein said eddy current generator has a control unit associated therewith, and wherein said force generator comprises a control unit for operating said force generator dependent on operation of said control unit for said eddy current generator.

14. (Previously Presented) A magnetic resonance apparatus as claimed in claim 13 wherein said eddy current generator comprises at least one coil arrangement for generating a magnetic gradient field.

15. (Previously Presented) A magnetic resonance apparatus as claimed in claim 14 wherein said control unit of said eddy current generator comprises a predistortion unit for predistorting a control parameter supplied to said eddy current generator for reducing said eddy currents, and wherein said control unit of said force generator controls said force generator dependent on operation of said predistortion unit.

16. (Previously Presented) A magnetic resonance apparatus as claimed in claim 12 wherein said electrically conductive structure comprises at least a portion of a magnetic resonance apparatus component selected from the group consisting of a vacuum vessel of said basic field magnet, a cryoshield of said basic field magnet, and a coolant vessel of said basic field magnet.

17. (Previously Presented) A magnetic resonance apparatus as claimed in claim 12 wherein said electrically conductive structure comprises at least a portion of a magnetic resonance apparatus component selected from the group consisting of a radio-frequency antenna and a radio-frequency shield.

18. (Previously Presented) A magnetic resonance apparatus as claimed in claim 12 wherein said force generator comprises electrostrictive elements mounted for physical interaction with said at least one electrically conductive structure.

19. (Previously Presented) A magnetic resonance apparatus as claimed in claim 18 wherein said electrostrictive elements are spatially disposed at said electrically conductive structure with a density corresponding to a relative density of said Lorentz forces.

20. (Previously Presented) A magnetic resonance apparatus as claimed in claim 18 wherein said electrostrictive elements comprise electrostrictive fibers.

21. (Previously Presented) A magnetic resonance apparatus as claimed in claim 12 comprising at least one sensor for detecting a magnetic field generated by said eddy currents.

22. (Previously Presented) A magnetic resonance apparatus as claimed in claim 21 wherein said at least one sensor is connected to said force generator, and wherein said force generator generates said forces for counteracting said Lorentz forces dependent on said magnetic field detected by said at least one sensor.